



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : C12N 15/12, C07K 14/47, A61K 48/00, C12N 15/11, 9/00, C12Q 1/68, G01N 33/68, C12N 15/70, C07K 16/18</p>	A2	<p>(11) International Publication Number: WO 99/45116</p> <p>(43) International Publication Date: 10 September 1999 (10.09.99)</p>
<p>(21) International Application Number: PCT/US99/04996</p> <p>(22) International Filing Date: 5 March 1999 (05.03.99)</p> <p>(30) Priority Data: 60/076,885 5 March 1998 (05.03.98) US</p> <p>(71) Applicant (for all designated States except US): PENN STATE RESEARCH FOUNDATION [US/US]; 304 Old Main, University Park, PA 16802 (US).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): MILLER, Barbara, A. [US/US]; 99 Laurel Ridge Road, Hershey, PA 17033 (US). OSMANI, Stephen, A. [GB/US]; 5 Sunset Drive, Danville, PA 17821 (US).</p> <p>(74) Agent: MARTIN, Alice, O.; Barnes & Thornburg, 2610 Madison Plaza, 200 West Madison, Chicago, IL 60606 (US).</p>	<p>(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p>Published <i>Without international search report and to be republished upon receipt of that report.</i></p>	
<p>(54) Title: HUMAN HOMOLOG OF A NUCLEAR MIGRATION AND ITS USE</p> <p>(57) Abstract</p> <p>A human homolog to a nuclear migration in Aspergillus gene has been cloned and sequenced. Expression of the gene is correlated with uncontrolled cell growth. Methods and compositions for the diagnosis and treatment of uncontrolled cell growth in humans employ antisense molecules to the gene and RNA, and antibodies to the protein expression product.</p>		